

LISTING OF CLAIMS

1. (Currently Amended) A treatment system for reducing body perimeter at a region of treatment, said treatment system comprising:

an ultrasound apparatus, for transmitting ultrasound waves wherein pressure exertion is applied to said region of treatment; and

an electrical stimulation apparatus, for applying electrical stimulation to said region of treatment simultaneously with said transmission of ultrasound waves, wherein said electrical stimulation comprises interferential stimulation.
2. (Original) The treatment system of claim 1, wherein said reduction of body perimeter comprises reducing or eliminating cellulite.
3. (Original) The treatment system of claim 1, wherein said reduction of body perimeter comprises reducing body fat.
4. (Currently Amended) The treatment system of claim 1, wherein said reduction of body perimeter comprises reduction of body perimeter in a humans, mammals, and or an animals.
5. (Currently Amended) The treatment system of claim 1, wherein said reduction of body perimeter comprises reduction of body perimeter in regions of the body selected from the list consisting of: legs, thighs, knees, buttocks, abdomen, stomach, and arms.
6. (Original) The treatment system of claim 1, wherein said system is utilized to reduce or eliminate stretch marks.
7. (Currently Amended) (Currently Amended) The treatment system of claim 6, wherein said stretch marks are located on the stomachs abdomen and mid-sections of women.
8. (Original) The treatment system of claim 1, wherein said system is utilized to reduce or eliminate at least one selected from the list consisting of: sagging skin, skin having stretch marks on it, and skin affected by cellulite.

9. (Original) The treatment system of claim 8, wherein said sagging skin comprises upper arm skin.
10. (Currently Amended) The treatment system of claim 98, wherein said system is utilized to render the general appearance of said sagging skin to look and feel smooth, or to return said appearance of said sagging skin to a smooth~~the state it looked like~~appeared before sagging.
11. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus ~~comprises being is~~ operational at a frequency ranging between 1 to 4 MHz.
12. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus ~~comprises being is~~ operational at an intensity ~~ranging between 1 to of approximately~~ 3 W/cm².
13. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus ~~comprises being is~~ operational for a duration of 40 to 45 minutes per session.
14. (Canceled)
15. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus ~~comprises being is~~ operational substantially at a frequency of approximately 3 MHz, ~~primarily for the reduction and elimination of cellulite~~.
16. (Canceled)
17. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus ~~comprises being is~~ operational substantially at a frequency of approximately 1 MHz, ~~primarily for the reduction of body fat~~.
18. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus ~~comprises being is~~ operational at a minimum intensity of 1.5 W/cm².
19. (Currently Amended) The treatment system of claim 1, wherein ~~a wavelength of the~~ operational frequency of said ultrasound apparatus is varied over time.

20. (Currently Amended) The treatment system of claim 1, ~~further comprising a pressure exertion apparatus for applying said pressure exertion, wherein pressure exertion is provided on said region of treatment simultaneously with during said transmission of ultrasound apparatus waves.~~

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Currently Amended) The treatment system of claim ~~1~~²⁰, ~~further comprising a pressure exertion apparatus for applying said pressure exertion, wherein said pressure exertion apparatus comprises manual pressure with a transducer head of said ultrasound apparatus against said region of treatment.~~

25. (Currently Amended) The treatment system of claim 24, wherein said transducer head is used to provide a massaging action to said ~~area~~region of treatment.

26. (Original) The treatment system of claim 25, wherein said massaging action comprises moving said transducer head in ways selected from the list consisting of: small circular motions all the while keeping the wrist straight, and tilting and moving the wrist in different directions repetitively.

27. (Currently Amended) The treatment system of claim ~~2~~³⁰, ~~further comprising a pressure exertion apparatus for applying said pressure exertion, wherein said pressure exertion apparatus comprises mechanical massaging means.~~

28. (Currently Amended) The treatment system of claim ~~2~~³⁰, ~~further comprising a pressure exertion apparatus for applying said pressure exertion, wherein said pressure exertion apparatus comprises manual massaging means.~~

29. (Currently Amended) The treatment system of claim ~~1~~²⁰, wherein said pressure exertion comprises a massage given by bare hands.

30. (Canceled)

31. (Currently Amended) The treatment system of claim 301, wherein said electrical stimulation apparatus ~~comprises being is~~ operational in an intensity range between 5 mA to 90 mA.

32. (Currently Amended) The treatment system of claim 301, wherein said electrical stimulation apparatus ~~comprises being is~~ operational in a frequency range between 5 Hz to 150 Hz.

33. (Currently Amended) The treatment system of claim 301, wherein said ~~electrical stimulation apparatus comprises being operational for interferential stimulation techniques is~~ selected from the list consisting of:

~~Interferential, Premodulated;~~

~~Biophasic;~~

interferential (I/F) isoplanar (4 poles);

interferential (I/F) vectorial (4 poles); and

medium frequency (M/F) stimulation.

34. (Currently Amended) The treatment system of claim 331, wherein said interferential stimulation techniques are is used in a pattern variation, wherein said pattern variation lasts for varying times/durations, wherein said pattern variation ~~consists of~~comprises changing the said interferential stimulation technique during a treatment session.

35. (Currently Amended) The treatment system of claim 32, wherein said the frequency of operation of said electrical stimulation apparatus is varied over time within said frequency range.

36. (Currently Amended) The treatment system of claim 35, wherein said variation over time of said frequency of operation of said electrical stimulation apparatus is selected from the list consisting of:

applying a specific first frequency for a fixed amount of time before switching to another a second frequency; gradually changing said frequencyies from one extreme a first frequency to another a second frequency over various time durations; and only using intermittently applying extreme frequencies within said frequency range intermittently.

37. (Currently Amended) The treatment system of claim 301, wherein a the rate of change of a variation of an operational wavelength frequency of said ultrasound apparatus is inversely proportional to an operational parameter of said electrical stimulation apparatus, said operational parameter selected from the list consisting of:

a the rate of change of a variation of said electrical stimulation apparatus operational frequency;

a the rate of variation of an intensity of said electrical stimulation; and the rate of variation of an operational pattern variation of said electrical stimulation.

38. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus is used in conjunction with a gel rubbed on an area said region of treatment.

39. (Original) The treatment system of claim 1, further comprising a camera.

40. (Original) The treatment system of claim 1, further comprising a processor.

41. (Original) The treatment system of claim 1, further comprising a measuring apparatus.

42. (Original) The treatment system of claim 41, wherein said measuring apparatus further comprises a pressure gauge.

43. (Currently Amended) A treatment method for reducing body perimeter comprising the procedures of:

~~applying transmitting ultrasound waves to an area a region of treatment, and exerting pressure on said area of treatment; and~~

~~applying electrical stimulation to said region of treatment, wherein said electrical stimulation comprises interferential stimulation.~~

44. (Currently Amended) The treatment method of claim 43, wherein said reduction of body perimeter comprises reducing or eliminating cellulite.
45. (Currently Amended) The treatment method of claim 43, wherein said reduction of body perimeter comprises reducing body fat.
46. (Currently Amended) The treatment method of claim 43, wherein said reduction of body perimeter is utilized for the body of ~~a humans, mammals, and or an~~ animals.
47. (Currently Amended) The treatment method of claim 43, wherein said area of treatment comprises regions of the body selected from the list consisting of: legs, thighs, knees, buttocks, abdomen, ~~stomach~~, and arms.
48. (Currently Amended) The treatment method of claim 43, wherein said treatment method is utilized for reducing and eliminating post-pregnancy stretch marks on the ~~stomachs abdomen~~ and mid-sections of women.
49. (Currently Amended) The treatment method of claim 43, wherein said treatment method is utilized for reducing and eliminating at least one selected from the list consisting of: sagging skin; skin having stretch marks on it, and skin affected by cellulite.
50. (Currently Amended) The treatment method of claim 49, wherein said sagging skin comprises sagging upper arm skin.
51. (Currently Amended) The treatment method of claim 43, wherein said treatment method is utilized for at least one of the list consisting of:
~~making rendering the general appearance of said sagging skin to look and feel smooth;~~

returning said appearance of said sagging skin to said smooth the state it looked like appeared before sagging, having stretch marks on it, and being affected by cellulite.

52. (Currently Amended) The treatment method of claim 43, wherein said procedure of applying transmitting ultrasound waves comprises applying transmitting ultrasound waves at a frequency ranging between 1 to 4 MHz.

53. (Currently Amended) The treatment method of claim 43, wherein said procedure of applying transmitting ultrasound waves comprises applying transmitting ultrasound waves at an intensity range between of approximately 4-3 W/cm².

54. (Currently Amended) The treatment method of claim 43, wherein said procedure of applying ultrasound waves is applied are transmitted for a duration of 40 to 45 minutes.

55. (Canceled)

56. (Currently Amended) The treatment method of claim 43, wherein said procedure of applying ultrasound waves comprises applying ultrasound waves are transmitted substantially at a frequency of approximately 3 MHz, primarily for the reduction and elimination of cellulite.

57. (Canceled)

58. (Currently Amended) The treatment method of claims 43, wherein said procedure of applying ultrasound waves comprises applying ultrasound waves are transmitted substantially at a frequency of approximately 1 MHz, primarily for the reduction of body fat.

59. (Currently Amended) The treatment method of claim 43, wherein said procedure of applying ultrasound waves is preferably are transmitted at a minimum intensity of 1.5 W/cm².

60. (Currently Amended) The treatment method of claim 43, comprising the procedure of varying a wavelength wherein the frequency of said ultrasound waves is varied over time.

61. (Currently Amended) The treatment method of claim 43, wherein ~~said procedure of exerting pressure comprises exerting pressure exertion is provided on said area-region of treatment simultaneously while applying during said transmission of ultrasound waves.~~

62. (Canceled)

63. (Canceled)

64. (Canceled)

65. (Currently Amended) The treatment method of claim 43~~61~~, wherein ~~said procedure of exerting pressure exertion comprises exerting manual pressure with a transducer head of an ultrasound apparatus against said region of treatment.~~

66. (Currently Amended) The treatment method of claim 65, wherein ~~said procedure of exerting pressure with a transducer head comprises is used to provide a massaging action to said area-region of treatment with said transducer head.~~

67. (Currently Amended) The treatment method of claim 66, wherein said massaging action comprises moving said transducer head in ways selected from the list consisting of:
small circular motions all the while keeping the wrist straight; and
tilting and moving the wrist in different directions repetitively.

68. (Currently Amended) The treatment method of claim 43~~61~~, wherein ~~said procedure of exerting pressure exertion comprises exerting pressure using a mechanical massaging means.~~

69. (Currently Amended) The treatment method of claim 43~~61~~, wherein ~~said procedure of exerting pressure exertion comprises exerting pressure using a manual massaging means.~~

70. (Currently Amended) The treatment method of claim 61~~9~~, wherein ~~said manual massaging means pressure exertion comprises a massage given by bare hands.~~

71. (Canceled)

72. (Currently Amended) The treatment method of claim 743, wherein said procedure of applying electrical stimulation comprises applying electrical stimulation at an intensity range between 5 mA to 90 mA.

73. (Currently Amended) The treatment method of claim 743, wherein said procedure of applying electrical stimulation comprises applying electrical stimulation at a frequency range between 5 Hz to 150 Hz.

74. (Currently Amended) The treatment method of claim 743, wherein said ~~procedure of applying electrical interferential stimulation comprises applying electrical stimulation using techniques is~~ selected from the list consisting of:
~~Interferential, Premodulated;~~
~~Biophasic;~~
~~interferential (I/F) Isoplanar (4 poles);~~
~~interferential (I/F) Vectorial (4 poles); and~~
~~medium frequency (M/F) stimulation.~~

75. (Currently Amended) The treatment method of claim 743, wherein said ~~techniques interferential stimulation are is used on said area of treatment in a pattern variation, wherein said pattern variation lasts for varying times durations, and wherein said pattern variation comprises changing the technique said interferential stimulation used on said area of treatment during a treatment session.~~

76. (Currently Amended) The treatment method of claim 73, further comprising the procedure of varying ~~said the frequency of operation of~~ said electrical stimulation over time within said frequency range.

77. (Currently Amended) The treatment method of claim 76, wherein said variation over time of said frequency of operation is selected from the list consisting of:

applying a specific first frequency for a fixed amount of time before switching to another a second frequency;

gradually changing a frequency frequency from one extreme a first frequency to another a second frequency over various time durations; and

using intermittently applying extreme frequencies within said frequency range intermittently.

78. (Currently Amended) The treatment method of claim 743, further comprising the procedure of varying an ultrasound wavelength frequency, wherein a the rate of change of said a variation of said ultrasound wavelength frequency is inversely proportional to an operational parameter of said electrical stimulation apparatus, said operational parameter selected from the list consisting of:
a the rate of change of a variation of said electrical stimulation operational frequency;
the rate of a variation of an intensity of said electrical stimulation; and
a pattern the rate of variation of the electrical simulation techniques an operational pattern.
79. (Currently Amended) The treatment method of claim 43, further comprising the procedure of applying a gel rubbed on said area region of treatment used in conjunction with said transmission of ultrasound waves.
80. (Canceled)
81. (Currently Amended) The treatment method of claim 43, further comprising the procedure of measuring recording said treatment using a camera for providing additional or alternative measuring means and for assisting future treatment improvements.
82. (Currently Amended) The treatment method of claim 810, further comprising the procedure of using a processor for controlling said electrical stimulation, said mechanical

~~massaging means, said ultrasound waves, and a measuring said~~ camera, and for recording a patient's measurements.

83. (Withdrawn) A measuring method comprising the procedures of

standing a patient in an upright position, with said patient's arms down;

measuring and recording the height of a region of treatment from the floor;

measuring said region of treatment using a measuring apparatus with a pressure gauge attached to it;

measuring said region of treatment in a horizontal fashion, such that said measuring apparatus is placed around said region of treatment in parallel to the floor;

measuring said region of treatment using said measuring apparatus with said pressure gauge attached to it with a specific pressure exerted on said region of treatment and recording said measurement; and

measuring said region of treatment a subsequent time using said measuring apparatus with said pressure gauge attached to it at said height of said region of treatment from the floor with said specific pressure exerted on said region of treatment, with said measuring apparatus being horizontal to the floor while measuring said region of treatment.

84. (New) The treatment method of claim 43, further comprising the procedure of measuring said body perimeter for determining reduction thereof, said procedure of measuring comprising the sub-procedures of:

standing a patient in an upright position, with said patient's arms down in order to maintain a consistent posture;

measuring and recording the height of a region of treatment from the floor in order to maintain a consistent vertical point from the floor at which a circumference measurement is taken;

measuring said region of treatment using a measuring apparatus with a pressure gauge attached to it in order to maintain a constant pressure on the skin;

measuring said region of treatment in a horizontal fashion, such that said measuring apparatus is placed around said region of treatment in a plane parallel to the floor on which said patient is standing;

measuring said region of treatment using said measuring apparatus with said pressure gauge attached to it with a given pressure exerted on said region of treatment and recording said measurement; and

measuring said region of treatment a subsequent time thereafter using said measuring apparatus with said pressure gauge attached to it at said height of said region of treatment from the floor with said given pressure exerted on said region of treatment, with said measuring apparatus being in a horizontal plane to the floor while measuring said region of treatment.